

WHAT IS CLAIMED IS:

1. A video processing method comprising:

receiving plural pieces of digital data such as video and audio data, and an instruction signal indicating whether the plural pieces of digital data are to be multiplexed or not;

multiplexing the plural pieces of digital data when the instruction signal indicates the digital data to be multiplexed; and

outputting the multiplexed digital data, and a flag indicating whether the digital data are multiplexed or not.

2. A video processing method comprising:

receiving plural pieces of digital data such as video and audio data, and scene description data indicating the playback times or playback positions of the respective digital data;

setting a scene description flag indicating whether there is a scene description or not; and

outputting the digital data and the scene description flag.

3. The video processing method of Claim 1 further comprising:

generating access information for making an access to the digital data at an arbitrary time or at an arbitrary position; and

outputting the digital data accessed and the access information.

4. The video processing method of Claim 2 further comprising:
generating access information for making an access to the
inputted digital data at an arbitrary time or at an arbitrary
position; and

outputting the digital data accessed and the access
information.

5. A video processing apparatus comprising:
audio coding means for coding audio data;
video coding means for coding video data; and
multiplexing means for receiving plural pieces of digital
data coded, and an instruction signal indicating whether the
plural pieces of digital data are to be multiplexed or not, and
multiplexing the plural pieces of digital data when the
instruction signal indicates the digital data to be multiplexed,
and outputting the multiplexed digital data and a flag indicating
whether the digital data are multiplexed or not.

6. A video processing method comprising:
receiving plural pieces of digital data such as video and
audio data, and a flag indicating whether the plural pieces of
digital data are multiplexed or not;
demultiplexing the plural pieces of digital data when the
flag indicates that the digital data are multiplexed; and

outputting the demultiplexed digital data respectively.

7. A video processing method comprising:

receiving plural pieces of digital data such as video and audio data, and a scene description flag indicating whether there is scene description data that indicate the playback times or playback positions of the respective digital data; and

outputting the digital data and the scene description data when the scene description flag indicates that there is scene description data.

8. A video processing apparatus comprising:

audio decoding means for decoding digitized audio data;

video decoding means for decoding digitized video data; and

demultiplexing/control means for detecting a flag indicating whether the plural pieces of digital data are multiplexed or not, demultiplexing the plural pieces of digital data when the flag indicates that the digital data are multiplexed, and controlling the audio decoding means and the video decoding means so as to output the plural pieces of digital data separately.

9. A video processing apparatus comprising:

audio coding means for coding audio data;

video coding means for coding video data;

multiplexing means for receiving the plural pieces of digital

data coded, and an instruction signal indicating whether the plural pieces of digital data are to be multiplexed or not, and multiplexing the plural pieces of digital data when the instruction signal indicates the digital data to be multiplexed, and outputting the multiplexed digital data and a flag indicating whether the digital data are multiplexed or not; and
data recording means for recording the multiplexed digital data and the flag indicating whether the digital data are multiplexed or not, onto the same recording medium.

10. A data recording medium containing a video processing program for making a computer execute a process of recording plural pieces of digital data such as video and audio data onto the same recording medium, the video processing program comprising:

receiving plural pieces of digital data such as video and audio data, and an instruction signal indicating whether the plural pieces of digital data are to be multiplexed or not;
multiplexing the plural pieces of digital data when the instruction signal indicates the digital data to be multiplexed;
outputting the multiplexed digital data, and a flag indicating whether the digital data are multiplexed or not; and
recording the outputted multiplexed digital data and the flag indicating whether the digital data are multiplexed or not, onto the same recording medium.

11. A data recording medium containing a video processing program for making a computer execute a process of recording plural pieces of digital data such as video and audio data onto the same recording medium, the video processing program comprising:

reading plural pieces of digital data such as video and audio data, and a flag indicating whether the plural pieces of digital data are multiplexed or not;

judging whether the plural pieces of digital data are multiplexed or not, on the basis of the flag; and

demultiplexing the plural pieces of digital data when it is judged that the plural pieces of digital data are multiplexed, and outputting the respective digital data obtained separately.

12. A data recording medium containing plural pieces of digital data such as video and audio data, and multiplexing flags corresponding to the respective digital data and indicating whether the respective digital data are multiplexed or not.

13. A data structure for recording coded video and audio signals that are obtained by coding digital video and audio signals, the data structure comprising:

plural pieces of digital data such as video and audio data; and

multiplexing flags indicating whether the respective digital data are multiplexed or not.